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July 22, 2019

VIA ELECTRONIC FILING

The Honorable Jocelyn Boyd
Chief Clerk / Administrator
Public Service Commission of South Carolina
101 Executive Center Dr., Suite 100
Columbia, SC 29210

RE: Demand Side Management/Energy Efficiency ("DSM/EE") Quarterly Report
Docket No. 2011-181-E

Dear Ms. Boyd:

Pursuant to the Commission's Order issued September 2, 2011 in Docket No. 2011-181-E, Duke Energy Progress, LLC. ("DEP") submits its quarterly report pertaining to Rider DSM/EE-10 and its EM&V schedule for Demand Side Management/Energy Efficiency ("DSM/EE") programs. The schedules accompanying this submission, for the quarter ending June 30, 2019, are as follows:

- Attachment 1 - Amounts billed under Rider DSM/EE-10 during the reporting period accompanied by estimates of gross receipts taxes and South Carolina Regulatory Fees;
- Attachment 2 - DSM/EE program energy and capacity savings achieved through the end of the reporting period;
- Attachment 3 - DEP's anticipated DSM/EE program EM&V schedule; and
- Attachment 4 - DEP's System O&M and A&G expenses and amounts allocated to South Carolina.

DEP will continue to submit this report to both the Commission and the Office of Regulatory Staff on a quarterly basis until further order of the Commission.

Please contact me if you have any questions.

Kind regards,

Sam Wellborn

SJW:tch

Enclosure

cc w/enc: Parties of Record (via email)
Heather Shirley Smith, Deputy General Counsel (via email)
Rebecca J. Dulin, Associate General Counsel (via email)

Rider DSM/EE-10 Quarterly Billings for the Quarter Ending June 30, 2019

A. Amounts Net of GRT & SC Reg Fee

Rate Class	KWH	DSM	DSDR	EE	Total Recovery
Residential	446,060,969	\$ 1,126,274.69	\$ 608,260.84	\$ 2,891,694.69	\$ 4,626,230.22
Small General Service	61,151,060	\$ (20.60)	\$ 13,422.32	\$ 373,627.52	\$ 387,029.24
Medium General Svc	402,376,187	(85.75)	88,394.13	2,458,496.03	2,546,804.41
Large General Service	557,761,595	-	122,707.55	3,407,923.36	3,530,630.91
Lighting	19,507,051	-	-	-	-
Non-Residential (<i>Gross</i>)	1,040,795,893	\$ (106.35)	\$ 224,524.00	\$ 6,240,046.91	\$ 6,464,464.56
Opt-Outs					
General Service EE	(696,527,804)	\$ 0.59	\$ -	\$ -	\$ 0.59
General Service DSM/DSDR	(693,207,722)	-	(153,235.23)	(4,235,499.03)	(4,388,734.26)
Lighting	(329,997)	-	-	-	-
Non-Residential (<i>Opt-Out</i>)	NA	\$ 0.59	\$ (153,235.23)	\$ (4,235,499.03)	\$ (4,388,733.67)
Non-Residential (<i>Net</i>)	NA	\$ (105.76)	\$ 71,288.77	\$ 2,004,547.88	\$ 2,075,730.89
Overall Net Recoveries	NA	\$ 1,126,168.93	\$ 679,549.61	\$ 4,896,242.57	\$ 6,701,961.11

B. GRT & SC Reg Fee

Estimated Gross Receipts Tax @ 0.30 percent	\$ 20,166.36
Estimated SC Regulatory Fee @ 0.1519029 percent	10,195.94
Total GRT and Regulatory Fee	\$ 30,362.34

C. Estimated DSM/EE Billings (Sections A + B)

\$ 6,732,323.45

Duke Energy Progress
DSM / EE Program Savings (1)
June 30, 2019

	Year to Date			Cumulative Since Program Inception		
	No. of Participants	kWh Savings	kW Savings	No. of Participants	kWh Savings	kW Savings
EnergyWise™ (2)	386,918	-	386,918	386,918	-	386,918
CIG Demand Response (2)	24,044	-	24,044	24,044	-	24,044
Energywise for Business - DR (6)	4,467	-	4,467	4,467	-	4,467
Residential New Construction	5,655,047	6,879,757	2,059	32,420,032	59,232,100	24,077
Residential SmartSaver	9,613	2,771,404	727	291,055	50,769,017	32,447
Residential Low Income - NES	2,202	945,994	144	43,192	21,243,060	2,977
Residential Lighting Program (3)	1,609,165	21,095,340	3,477	33,662,535	949,752,860	150,467
Non-Res SmartSaver (3)						
Prescriptive Lighting	412,157	29,063,195	5,045	80,342,320	479,384,107	90,224
Prescriptive HVAC	229,414	804,110	235	3,342,495	11,480,926	3,469
Prescriptive Motor	-	-	-	976	1,051,620	127
Prescriptive Refrigeration	1,035	1,914,626	219	808,393	13,465,598	1,308
Custom Measure	1,315	3,379,826	742	18,686	82,938,714	15,068
Technical Assistance	10	695	-	7,148	931,679	88
Non-Res SmartSaverTotal	643,931	35,162,452	6,241	84,520,018	589,252,643	110,279
Non-Res SmartSaver Performance Incentive	13	307,969	35	50	1,753,371	15
Small Business Energy Saver (3)	17,177,306	17,062,115	2,797	139,049,214	225,973,038	50,346
My Home Energy Report (7)	794,520	112,606,081	18,983	794,520	112,606,081	18,983
Energy Efficiency Education Program (K-12)	6,971	2,202,975	263	45,052	10,971,909	2,579
Multi-Family Energy Efficiency Program	158,660	6,201,581	836	1,329,662	65,637,240	7,833
Save Energy & Water Kit Program	131,672	7,790,143	2,569	1,196,999	67,628,127	17,100
Residential Energy Assessment	20,505	3,852,745	464	123,857	20,307,479	2,870
Energywise for Business EE (6)	1,639	29,502	9	5,320	2,478,608	794
Low-Income Weatherization Pilot	206	22,429	4	206	22,429	4
Closed Programs						
Business Energy Report - Pilot (5)	-	-	-	25,809	8,472,181	1,300
Residential Appliance Recycling	-	-	-	47,834	27,252,360	3,118
Residential Energy Efficiency Benchmarking (4)	-	-	-	42,928	15,402,566	2,600
Residential Home Advantage (4)	-	-	-	7,174	8,649,183	3,078
Residential Solar Water Heating Pilot (4)	-	-	-	150	31,250	30
Residential CFL Pilot Program (4)	-	-	-	203,222	6,706,000	630
Summary Totals	26,626,880	216,930,487	454,038	294,224,258	2,244,141,502	847,253

(1) The values in this report, except where noted, represent estimated net savings at the meter. The reported net savings reflect ongoing annual reductions resulting from the installation of DSM/EE measures during the reporting periods. These amounts have been adjusted to account for the impact of anticipated net to gross relationships. Subsequent reports will replace estimated savings with verified values, adjusted for appropriate net to gross ratios, as determined through the Measurement and Verification (M&V) process.

(2) The EnergyWise™ participation levels shown represent program capabilities expressed in kW. The CIG Demand Response participation levels reflect contracted values.

(3) Participation levels shown, represent number of installed measures.

(4) Amounts reflect final net, post EM&V, values.

(5) Business Energy Report - Pilot Program terminated 06/30/2017.

(6) Demand Response savings identified in EnergyWise for Business-DR line. Participants and savings recognized from the program's conservation measures identified in EnergyWise for Business EE line.

(7) Program includes single and multi-family dwellings. Participants are represented as current number of distinct accounts. Impacts represent programs current capabilities for kW and kWh savings.

DEP DSM/EE Programs - Anticipated EM&V Schedule
As of June 4, 2019

DEP DSM/EE Programs - Anticipated EM&V Schedule

Program Name	NC Docket	SC Docket	Short name	2019 3rd Quarter	2019 4th Quarter	2020 1st Quarter	2020 2nd Quarter	2020 3rd Quarter	2020 4th Quarter	2021 1st Quarter	Notes
Commercial Demand Response	Docket No. E-2, Sub 953	Docket 2010-41-E	CIG DR				REP (2018)				
Distribution System Demand Response	Docket No. E-2, Sub 926	Docket 2009-190-E	DSDR								
Nonresidential Smart Saver EE Products & Assessment (Prescriptive)	Docket No. E-2, Sub 938	Docket 2009-190-E	EEB	PROC/IMP	PROC/IMP	REP					Smart Saver Prescriptpvie DEC combined with DEP
Nonresidential Smart Saver EE Products & Assessment (Custom)	Docket No. E-2, Sub 938	Docket 2009-190-E	EEB				PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	EEB Custom projects combined with DEC Smart Saver Custom eval report
EnergyWise	Docket No. E-2, Sub 927	Docket 2009-190-E	EW	REP (W2018/2019)		REP (S2019)		REP (W2018/2019)		REP (S2019)	
EnergyWise for Business	Docket No. E-2, Sub 1086	Docket 2015-163-E	EWB								Next evaluation TBD
Energy Efficiency Education	Docket No. E-2, Sub 1060	Docket 2014-420-E	K12							PROC/IMP	
Residential Energy Assessment	Docket No. E-2, Sub 1094	Docket 2016-82-E	REA				PROC/IMP	REP			Combined DEC/DEP evaluation in 2020/2021
Lighting (Retail)	Docket No. E-2, Sub 950	Docket 2010-41-E	LP								No further EM&V work planned
Multi-Family Energy Efficiency	Docket No. E-2, Sub 1059	Docket 2014-419-E	MF		PROC/IMP	REP					Will be combined DEC/DEP evaluation; evaluation schedule extended
My Home Energy Report	Docket No. E-2, Sub 989	Docket 2011-180-E	MyHER				PROC/IMP	PROC/IMP	REP		
Neighborhood Energy Saver	Docket No. E-2, Sub 952	Docket 2009-190-E	NES	REP							2018 delayed to 2019 due to complete switchover to LEDs; evaluation to be combined with DEC evaluation
Residential New Construction	Docket No. E-2, Sub 1021	Docket 2015-237-E	RNC								Next evaluation tbd
Residential Save Energy & Water Kit	Docket No. E-2 Sub 1085	Docket 2015-322-E	SEW		PROC/IMP	REP					To be combined with DEC evaluation; timing pushed back due to program changes
Small Business Energy Saver	Docket No. E-2, Sub 1022	Docket 2015-163-E	SBES				PROC/IMP	REP			

LEGEND	
PROC	Process surveys/interviews (customers or other) for purposes of report that follows
IMP	Impact data collection (onsites, billing data) and analysis for purposes of report that follows
REP	Evaluation, Measurement & Verification Report

NOTE: THESE DATES ARE SUBJECT TO CHANGE

South Carolina Retail - DSM/EE Cost Summary

Q2 of Test Period

April 2019 through June 2019

SC DSM Program Expenses

SOUTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY													
O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
			ΣCols(1) thru(3)	((1)+(2))/3	(3)/3								
ΣCols(5) thru(12)													
1	CIG DR	Per Books	\$ 37,329	\$ -	\$ 37,329	\$ 12,443	\$ -			\$ -	\$ -	\$ 12,443	
2	EnergyWise	Per Books	490,621	-	490,621	163,540	-			-	-	163,540	
3	Small Business EE DR	Per Books	71,093		71,093	23,698	-			-	-	23,698	
4	Total DSM	Σ Lines thru 3	\$ 599,043	\$ -	\$ 599,043	\$ 199,681	\$ -			\$ -	\$ -	\$ 199,681	
5	DSM Assigned to A&G Cost	Per Books		44,801	44,801	-	14,934			78,993	17,528	111,455	
6	Total DSM and Assigned Cost	Σ Lines 4 thru 5	\$ 599,043	\$ 44,801	\$ 643,844	\$ 199,681	\$ 14,934			\$ 78,993	\$ 17,528	\$ 311,136	

SC EE Program Expenses

7 Res Home Energy Improvem't	Per Books	193,063		-	193,063	\$ 64,354	-			-	-	64,354	
8 Residential Low Income	Per Books	59,799		-	59,799	\$ 19,933	-			-	-	19,933	
9 CIG Energy Efficiency	Per Books	384,788		-	384,788	\$ 128,263	-			-	-	128,263	
10 Residential Lighting	Per Books	763,081		-	763,081	\$ 254,360	-			-	-	254,360	
11 Res Appliance Recycling	Per Books	-		-	-	\$ -	-			-	-	-	
12 EE Behavior Program*	Per Books	266,075		-	266,075	\$ 266,075	-			-	-	266,075	
13 Small Business Direct Install	Per Books	307,249		-	307,249	\$ 102,416	-			-	-	102,416	
14 Residential New Construction	Per Books	476,662		-	476,662	\$ 158,887	-			-	-	158,887	
15 K12 Performance - National Theatre	Per Books	44,067		-	44,067	\$ 14,689	-			-	-	14,689	
16 Multi-Family	Per Books	87,413		-	87,413	\$ 29,138	-			-	-	29,138	
17 Residential CFL Property Manager	Per Books	-		-	-	\$ -	-			-	-	-	
18 Business Energy Report	Per Books	-		-	-	\$ -	-			-	-	-	
19 Appliances and Devices	Per Books	23,311		-	23,311	\$ 7,770	-			-	-	7,770	
20 Residential Energy Assessments	Per Books	126,168		-	126,168	\$ 42,056	-			-	-	42,056	
21 Total EE	Σ Lines 7 thru 20	\$ 2,731,676		\$ -	\$ 2,731,676	\$ 1,087,941	\$ -			\$ -	\$ -	\$ 1,087,941	
22 EE Assigned to A&G Cost	Per Books			178,142	178,142	-	59,381			241,944	53,680	355,000	
23 Total DSM and Assigned Cost	Σ Lines 21 thru 22	\$ 2,731,676		\$ 178,142	\$ 2,909,818	\$ 1,087,941	\$ 59,381			\$ 241,944	\$ 53,680	\$ 1,442,941	

SC DSDR Program Expenses

24 DSDR Program	Per Books	\$ 154,310	\$ 24,362	\$ -	\$ 178,672	\$ 59,557	\$ -	\$ 227,163	\$ 49,847	\$ 101,528	\$ 395,390	\$ 34,847	\$ 7,732	\$ 876,064
25 DSDR Assigned to A&G Cost	Per Books			-	-	-	-							\$ -
26 Total DSM and Assigned Cost	Σ Lines 24 thru 25	\$ 154,310	\$ 24,362	\$ -	\$ 178,672	\$ 59,557	\$ -	\$ 227,163	\$ 49,847	\$ 101,528	\$ 395,390	\$ 34,847	\$ 7,732	\$ 876,064
27 Test Period Totals	Lines 6 + 23 + 26	\$ 3,485,029	\$ 24,362	\$ 222,943	\$ 3,732,334	\$ 1,347,179	\$ 74,315	\$ 227,163	\$ 49,847	\$ 101,528	\$ 395,390	\$ 355,784	\$ 78,940	\$ 2,630,146

*EE Benchmarking program is recoverable over a 1 year period
All other EE programs are over a 3 year period

Source: Monthly Accounting File

	A	B	C	D	E	F
1	DSM Deferral Calculation					
2	DSM/EE Filing Support					
3	Cost summary for 4/19 - 06/19					
4						
5						
6						
7						
8		Apr-19	May-19	Jun-19		Q2 2019
9						
10	DSM Current Period Actual Program Cost Deferral:					
11	Program Costs					
12	CIG Demand Response (Ph. II)	86,626.07	92,575.01	97,937.50		277,138.58
13	Residential Energy Wise	1,154,752.18	1,182,679.51	1,305,006.93		3,642,438.62
14	Small Business EE DR	182,076.35	195,962.04	149,769.35		527,807.74
15	Total DSM O&M	1,423,454.60	1,471,216.56	1,552,713.78		4,447,384.94
16						
17	Program Costs not yet Commission Approved					
18	Small Business EE DR					
19						
20	G&A	72,120.06	106,610.54	78,011.13		256,741.73
21	True-up Entry Amount, if any (See **True-up Notes)					
22	Subtotal Deferred G&A and O&M	1,495,574.66	1,577,827.10	1,630,724.91		4,704,126.67
23						
24	SC:					
25	Program Costs					
26	CIG Demand Response (Ph. II)	11,668.16	12,469.46	13,191.76		37,329.38
27	Residential Energy Wise	155,540.18	159,301.87	175,778.85		490,620.90
28	Small Business EE DR	24,524.91	26,395.25	20,173.29		71,093.45
29	Total DSM O&M	191,733.25	198,166.58	209,143.90		599,043.73
30						
31	G&A	9,009.23	25,284.22	10,507.77		44,801.22
32	True-up Entry Amount, if any (See **True-up Notes)					
33	Subtotal Deferred O&M and G&A	200,742.48	223,450.80	219,651.67		643,844.95
34						
35	Subtotal Deferred of Program Costs not yet Commission Approved					
36						
37	Recovery					
38	SC	(228,524.76)	(211,824.74)	(318,289.65)		(758,639.15)
39						
40	Amortization					
41	O&M	(265,636.86)	(267,781.31)	(271,440.41)		(804,858.58)
42	G&A	(14,918.38)	(20,343.37)	(15,417.89)		(50,679.64)
43		(280,555.24)	(288,124.68)	(286,858.30)		(855,538.22)
44						
45	Carrying Cost Balance					
46	Beg Balance	5,823,530.83	5,743,718.07	5,679,044.19		17,246,293.08
47	plus expense	200,742.48	223,450.80	219,651.67		643,844.95
48	less amortization	(280,555.24)	(288,124.68)	(286,858.30)		(855,538.22)
49	End Balance	5,743,718.07	5,679,044.19	5,611,837.55		17,034,599.81
50	Prior Month Ending Balance for return calc (2007- Nov 09 Average Bal.)	5,823,530.83	5,743,718.07	5,679,044.19		17,246,293.08
51						
52	ADIT	1,349,271.33	1,330,779.27	1,315,794.78		3,995,845.38
53	Basis for return calc	4,474,259.50	4,412,938.80	4,363,249.41		13,250,447.70
54						
55	Return Calc					
56	Debt Component - Net of Tax	6,904.68	6,866.16	7,109.04		20,879.88
57	Equity Component - Net of Tax	19,958.78	19,847.51	18,307.32		58,113.61
58	Equity Return Tax Gross-Up	6,019.57	5,986.45	5,521.49		17,527.51
59	Total Return	32,883.03	32,700.12	30,937.85		96,521.00
60						
61						
62						
63						
64						
65	Source: Monthly Accounting File					

	A	B	C	D	E	F
1	DSDR Deferral Calculation					
2	DSM/EE Filing Support					
3	Cost summary for 4/19 - 06/19					
4						
5						
6						
7		Apr-19	May-19	Jun-19		Q2 2019
8						
9		DSDR Current Period Actual Program Cost Deferral:				
10	DSDR Program Costs	345,670.14	452,569.16	347,381.83		1,145,621.13
11	DSDR G&A					
12	True-up Entry Amount, if any (See **True-up Notes)					
13	Subtotal Deferred G&A and O&M	345,670.14	452,569.16	347,381.83		1,145,621.13
14						
15		SC:				
16	Program Costs	46,560.29	60,959.13	46,790.85		154,310.27
17	G&A	-	-	-		-
18	True-up Entry Amount, if any (See **True-up Notes)					
19	Subtotal Deferred O&M and G&A	46,560.29	60,959.13	46,790.85		154,310.27
20						
21	Smart Grid Insurance Expense Accrual	8,186.34	8,120.82	8,055.30		24,362.46
22						
23	Smart Grid Depreciation	131,795.13	131,796.79	131,798.15		395,390.07
24	Smart Grid Property Tax	33,842.82	33,842.82	33,842.82		101,528.45
25	R&E Tax Credit					
26						
27	Subtotal for Expense Deferral	220,384.58	234,719.56	220,487.12		675,591.25
28						
29	Return on 101 Capital SmartGrid - Debt	20,782.03	20,643.58	20,462.17		61,887.78
30	Return on 101 Capital SmartGrid - Equity	56,608.96	56,231.83	52,434.31		165,275.10
31	Equity Return Tax Gross Up	17,073.26	16,959.52	15,814.19		49,846.97
32	Total Return	94,464.25	93,834.93	88,710.67		277,009.85
33						
34	Recovery					
35	SC	(205,224.42)	(203,074.97)	(271,250.22)		(679,549.61)
36						
37						
38	Amortization					
39	O&M	(103,429.70)	(108,207.47)	(103,462.87)		(315,100.04)
40	G&A	(29.19)	(29.19)	(29.19)		(87.57)
41	Other (Dep and Prop Tax)	(165,637.95)	(165,639.61)	(165,640.97)		(496,918.52)
42		(269,096.83)	(273,876.27)	(269,133.03)		(812,106.12)
43						
44	Carrying Cost Balance					
45	Beg Balance	2,588,440.38	2,539,728.12	2,500,571.41		7,628,739.91
46	plus expense	220,384.58	234,719.56	220,487.12		675,591.25
47	less amortization	(269,096.83)	(273,876.27)	(269,133.03)		(812,106.12)
48	End Balance	2,539,728.12	2,500,571.41	2,451,925.50		7,492,225.03
49	Prior Month Ending Balance for return calc (2007-18)	2,588,440.38	2,539,728.12	2,500,571.41		7,628,739.91
50						
51	ADIT	599,723.52	588,437.23	579,364.89		1,767,525.64
52	Basis for return calc	1,988,716.86	1,951,290.89	1,921,206.52		5,861,214.27
53						
54	Return Calc					
55	Debt Component - Net of Tax	3,068.99	3,011.23	3,130.22		9,210.44
56	Equity Component - Net of Tax	8,871.27	8,704.32	8,061.00		25,636.59
57	Equity Return Tax Gross-Up	2,675.58	2,625.22	2,431.20		7,732.00
58	Total Return	14,615.84	14,340.77	13,622.42		42,579.03
59						
60						
61						
62						
63	Source: Monthly Accounting File					